

JCO6 Rec'd PTO 17 MAY 2005



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of )  
Rieben et al. )  
Serial No. 10/524,357 )  
U.S. national stage of )  
Int. Appl. PCT/EP2003/008987 ) Examiner: n/a  
U.S. rev' d Date: February 14, 2005 ) Group Art Unit: n/a

For: **NON-GLYCOSYLATED POLYACRYLAMIDE CONJUGATES AND THEIR USE FOR  
CYTOPROTECTION**

**Information Disclosure Statement**

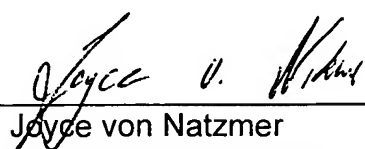
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

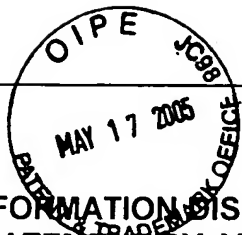
Dear Sir:

Under the provisions of 37 C.F.R. §1.56, 1.97 and 1.98, Applicants submit herewith copies of the following publications that the Office may wish to consider in examination of the subject application. An abstract of Russian language document "III" is submitted. This references is also discussed on page 2, first full paragraph, of the specification as published. The attached publications are also listed on the form PTO-1449 submitted herewith.

Respectfully submitted,

By

  
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Attorney for Applicants  
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

*Complete if Known*

Application Number	10/524,357
Nat. Phase Filing Date	February 14, 2005
First Named Inventor	Rieben
Group Art Unit	NA
Examiner Name	NA

Sheet	1		3	Attorney Docket Number	3023-108
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**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		

**FOREIGN PATENT DOCUMENTS**

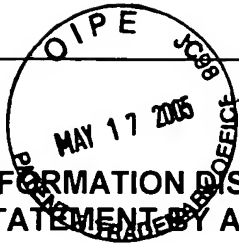
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup> Code	Number <sup>4</sup>	Kind <sup>5</sup> (if known)			

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

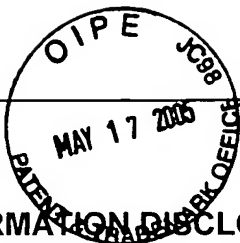
<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code.

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

 <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<i>Complete if Known</i>	
				Application Number	10/524,357
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				First Named Inventor	Rieben
				Group Art Unit	NA
				Examiner Name	NA
Sheet	2	of	3	Attorney Docket Number	3023-108
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
	AA	AUKRUST, P. ET AL, "Complement Activation in Patients With Congestive Heart Failure, Effect of High-Dose Intravenous Immunoglobulin Treatment", Circulation, pp. 1494-1500, September 15, 2001.			
	BB	BOVIN, N. ET AL, "Synthesis of polymeric neoglycoconjugates based on N-substituted polyacrylamides", Glycoconjugate Journal 10, pp. 142-151 (1993).			
	CC	BUONO, C. ET AL, "Influence of C3 Deficiency on Atherosclerosis", Circulation, pp. 3025-3031, June 25, 2002.			
	DD	CECCONI, O. ET AL, "Inositol Polyanions, Noncarbohydrate Inhibitors of L- and P-Selectin that Block Inflammation", The Journal of Biological Chemistry, Vol. 269, No. 21, pp. 15060-15066, May 27, 1994.			
	EE	FIELD, ROBERT A., "Synthesis and <sup>1</sup> H NMR characterization of the six isomeric mono-O-sulfates of 8-methoxycarbonyloct-1-yl O-β-D-galactopyranosyl-(1→4)-2-acetamido-2-deoxy-β-D-glucopyranoside", Carbohydrate Research 276, pp. 347-363 (1995).			
	FF	GAME, S. ET AL, "Scintillation Proximity Assay for E-, P-, and L-Selectin Utilizing Polyacrylamide-Based Neoglycoconjugates as Ligands", Analytical Biochemistry 258, pp. 127-135 (1998).			
	GG	GORDEEVA, E. ET AL, "Microscale Synthesis of Glycoconjugate Series and Libraries ", Analytical Biochemistry 278, pp. 230-232 (2000).			
	HH	GULLESTAD, L. ET AL, "Immunomodulating Therapy With Intravenous Immunoglobulin in Patients with Chronic Heart Failure", Circulation, pp. 220-225, January 16, 2001.			
	II	HAYWARD, R. ET AL, "Recombinant soluble P-selectin glycoprotein ligand-1 protects against myocardial ischemic reperfusion injury in cats", Cardiovascular Research 41, pp. 65-76 (1999).			
	JJ	KHOR, S. ET AL, "Pharmacokinetics, Pharmacodynamics, Allometry, and Dose Selection of rPSGL-Ig for Phase I Trial", The Journal of Pharmacology and Experimental Therapeutics 293, No. 2, pp. 618-624 (2000).			
	KK	LEPPÄNEN, A. ET AL, "Binding of Glycosulfopeptides to P-selectin Requires Stereospecific Contributions of Individual Tyrosine Sulfate and Sugar Residues", The Journal of Biological Chemistry Vol. 275, No. 50, pp. 39569-39578, December 15, 2000.			

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				Group Art Unit	NA
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Sheet	3	Of	3	Attorney Docket Number	3023-108

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	AAA	LEY, K. ET AL, "Fucoidin, But Not Yeast Polyphosphomannan PPME, Inhibits Leukocyte Rolling in Venules of the Rat Mesentery", Blood, Vol. 81, No. 1, pp. 177-185, January 1, 1993.	
	BBB	MARINIER, A. ET AL, "Sulfated Galactocerebrosides as Potential Antiinflammatory Agents", J. Med. Chem. 40, pp. 3234-3247 (1997).	
	CCC	POCHECHUEVA, T. ET AL, "Assembly of P-Selectin Ligands on a Polymeric Template, Chemistry & Biology 9, pp. 757-762, June, 2002.	
	DDD	PREOBRAZHenskAYA, M. ET AL, "Fucoidan Inhibits Leukocyte Recruitment in a Model Peritoneal Inflammation in Rat and Blocks Interaction of P-Selectin with its Carbohydrate Ligand", Biochemistry and Molecular Biology International, Vol. 43, No. 2, pp. 443-451, October 1997.	
	EEE	PRIEST, R. ET AL, "Adhesion of eosinophils to E- & P-selectin", Biochemical Society Transactions 23, p. 162S (1995).	
	FFF	ROSEN, S. ET AL, "The selectins and their ligands", Current Opinion in Cell Biology 6, pp. 663-673 (1994).	
	GGG	SKINNER, M. ET AL, "Characterization of Human Platelet GMP-140 as a Heparin-Binding Protein", Biochemical and Biophysical Research Communications, Vol. 164, No. 3, pp. 1373-1379, November 15, 1989.	
	HHH	USHAKOVA, N. ET AL, "Monomeric and Multimeric Blockers of Selectins: Comparison of <i>in vitro</i> and <i>in vivo</i> Activity", Biochemistry (Moscow), pp. 1-19, BM04-071, Papers in Press: August 1, 2004.	
	III	USHAKOVA, N. ET AL, "Inhibitory Activity of Monomeric and Polymeric Selectin Ligands", Vopr. Med. Khim, Vol. 45, No. 5, pp. 375-383 (2000).	AB
	JJJ	ZEMLYANUKHINA, T. ET AL, "Selectin Receptors: Synthesis of Spacer-Armed Sulfated Trisaccharides Lewis A and Lewis X and Neoglycoconjugates Thereof", Carbohydrate Letters 1, pp. 277-284 (1995).	
Examiner Signature			Date Considered

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